

STIC-Biotech/ChemLib

87441

From: Hutzell, Paula
Sent: Tuesday, February 25, 2003 4:20 PM
To: Collins, Cynthia; STIC-Biotech/ChemLib
Subject: RE: RUSH interference sequence search request SN 09/846903

Approved

-----Original Message-----

From: Collins, Cynthia
Sent: Tuesday, February 25, 2003 4:18 PM
To: Hutzell, Paula
Subject: RUSH interference sequence search request SN 09/846903

Point of Contact:
Mona Smith
Technical Information Specialist
CM1 6A01
Tel: 308-3278

Paula,

Can you approve and forward this rush sequence search request? It is for an amended case.

Please search, both prior art and interference, for SN 09/846903:

1) SEQ ID NO:79

Thank You,

Cynthia Collins
Art Unit 1638
CM1, 9A12 (office) or 9E12 (mailbox)
(703) 605-1210

Point of Contact:
Mona Smith
Technical Information Specialist
CM1 6A01
Tel: 308-3278

TYPE OF SEARCH:

VENDOR/COST (Agency, Search Fee)

Date Picked up: _____
Date Completed: 3/10/03
Searcher Prep/Review: _____
Clerical: _____

Bibliographic: _____
Litigation: _____
Full text: _____
Patent Family: _____

DRLink: _____
Lexis/Nexis: _____
Sequence Sys.: _____
WWW/Internet: _____



[illegible]

[illegible]



Sequence 1, Appl 1

Sequence 2, Appl 1

Sequence 3, Appl 1

Sequence 4, Appl 1

Sequence 5, Appl 1

Sequence 6, Appl 1

Sequence 7, Appl 1

Sequence 8, Appl 1

Sequence 9, Appl 1

Sequence 10, Appl 1

Sequence 11, Appl 1

Sequence 12, Appl 1

Sequence 13, Appl 1

Sequence 14, Appl 1

Sequence 15, Appl 1

Sequence 16, Appl 1

Sequence 17, Appl 1

Sequence 18, Appl 1

Sequence 19, Appl 1

Sequence 20, Appl 1

Sequence 21, Appl 1

Sequence 22, Appl 1

Sequence 23, Appl 1

Sequence 24, Appl 1

Sequence 25, Appl 1

Sequence 26, Appl 1

Sequence 27, Appl 1

Sequence 28, Appl 1

Sequence 29, Appl 1

Sequence 30, Appl 1

Sequence 31, Appl 1

Sequence 32, Appl 1

Sequence 33, Appl 1

Sequence 34, Appl 1

Sequence 35, Appl 1

Sequence 36, Appl 1

Sequence 37, Appl 1

Sequence 1, Appl 1

SUMMARIES

Description

Sequence 1, Appl 1

Sequence 1, Appl 1

ALIGNMENTS

US-08-242-463-14/0

US-08-242-463-14

Query Match 2.00% Score 43.43 Db 1; Length 7,100

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Best Local Similarity: 5.0%; Score: 0.0074;
Matches: 14; Conservative: 157; Mismatches: 108; Indels: 0; Gaps: 0;

CY 642 GGGAAAGGCGTTCAGACAGCAATGTCACATCAAGAGTGAAGAGTATTAAACCAAGTTTCAT 691
      |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||
LB 1420 KRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1261

CY 692 AGTTTCATATACACAAAGCACTTCATATACAAAGCAAGCAAGCAAGCAAGCAAGCAAG 751
      |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||
LB 1260 KRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1291

CY 752 AAATTCACACAGCGCAAGATGGGCAAAATACCTACTTGGTCTTAAACAACATTTGTAACAG 811
      |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||
LB 1290 KRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1347

CY 812 TGARGGTCAATTTAAATATATATAGTAAAGTGGTTCCTCTCTCTCTCTCTCTCTCTCT 871
      |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||
LB 1140 KRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1021

CY 872 AGTAAAGCTATATAAATATATTTGTAAGTCTCTACAGC 910
      |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||
LB 1080 KRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1042

RESULT 4
US-09-135-994 1
Sequence 1, Application US/09135994A
Patent No. 6280946
GENERAL INFORMATION:
APPLICANT: BODUM ET AL.
TITLE OF INVENTION: 37A7 BONE AND METHOD OF USE
FILE REFERENCE: UNIVERSITY OF MINNESOTA
CURRENT APPLICATION NUMBER: US/99/401,454A
CURRENT FILING DATE: 1998-08-18
EARLIER APPLICATION NUMBER: 66/056,179
EARLIER FILING DATE: 1997-08-19
NUMBER OF SEQ ID NOS: 14
SOFTWARE: Patent In Ver. 2.0
SEQ ID NO 1
LENGTH: 477
TYPE: DNA
ORGANISM: Homo sapiens
US-09-135-994-1

Query Match
Best Local Similarity: 1.9%; Score: 49.14; Length: 477;
Matches: 90; Conservative: 0; Mismatches: 14; Indels: 0; Gaps: 0;

CY 1864 GGGGCGATGACACAAAGAGCTGATGATTAAGGCGAGAGAGCTTGGCGGCGAGCGGCT 1923
      |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||
LB 174 GCGAGGACACACACACACACACACACACACACACACACACACACACACACACACAC 234

CY 1924 GCTGCGTTATACAGACACACACACACACACACACACACACACACACACACACACAG 1983
      |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||
LB 234 GTATATATATATATATATATATATATATATATATATATATATATATATATATATAT 293

CY 1984 AGCTTTGATATATATATATATATATATATATATATATATATATATATATATATAT 2036
      |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||
LB 294 TCGGACGCGGACAGACAGACAGACAGACAGACAGACAGACAGACAGACAGACAGAC 346

RESULT 4
US-09-253-691-4
Sequence 3, Application US/99253691
Patent No. 6124100
GENERAL INFORMATION:
APPLICANT: BODUM KYO JIN
TITLE OF INVENTION: Diagnostic Method and Kit for Neuropsychiatric Diseases
TITLE OF INVENTION: Using Truncated Oligo Repeats Sequence
FILE REFERENCE: 1942/36
CURRENT APPLICATION NUMBER: US/99/253,691
CURRENT FILING DATE: 1999-02-22
EARLIER APPLICATION NUMBER: KR 98 6,278

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EARLIER FILING DATE: 1996-02-26
NUMBER OF SEQ ID NOS: 3
SOFTWARE: WordPerfect 6.1/Windows
SEQ ID NO 3
LENGTH: 397
TYPE: DNA
ORGANISM: human
US-09-253-691-3

Query Match
Best Local Similarity: 1.9%; Score: 0.0074; Length: 397;
Matches: 77; Conservative: 0; Mismatches: 62; Indels: 0; Gaps: 0;

CY 294 GGGGCGATGACACAAAGAGCTGATGATTAAGGCGAGAGAGCTTGGCGGCGAGCGGCT 1923
      |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||
LB 250 GAGAGGACACACACACACACACACACACACACACACACACACACACACACACACAC 309

CY 1924 GCTGCGTTATACAGACACACACACACACACACACACACACACACACACACACACAG 1984
      |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||
LB 350 GAGAGGACACACACACACACACACACACACACACACACACACACACACACACACAC 409

CY 1984 AGCTTTGATATATATATATATATATATATATATATATATATATATATATATATAT 2036
      |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||
LB 370 ACAGACTTCACATCCATG 488

RESULT 4
US-09-117-121-27
Sequence 27, Application US/99117121
Patent No. 6307020
GENERAL INFORMATION:
APPLICANT: Hwa, Choy
APPLICANT: GONG, Zhizhan
TITLE OF INVENTION: Intracellular And Extracellular Polypeptides
TITLE OF INVENTION: and Nucleic Acids
NUMBER OF SEQUENCES: 46
CORRESPONDENCE ADDRESS:
ADDRESS: Townsend and Townsend and Crew LLP
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-4844
COMPUTER READABLE FORM:
RELATION TYPE: floppy disk
COMPIER: IBM PC compatible
OPERATING SYSTEM: pc/pdos/ms-dos
SOFTWARE: Patent In Release #1.0, Version #1.40
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/99/117,121
FILING DATE: 20-NOV-1998
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO 97/27697/00062
FILING DATE: 30-JAN-1997
ATTORNEY/AGENT INFORMATION:
NAME: Weber, Kenneth A.
REGISTRATION NUMBER: 31,677
REFERENCE/INVENT NUMBER: 016252-0016100S
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0400
INFORMATION FOR SEQ ID NO: 27:
SEQUENCE CHARACTERISTICS:
LENGTH: 245 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 34..153
OTHER INFORMATION: /product "SAF7 (S9)"

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APPLICATION NUMBER: 08/294,491
FILING DATE: 12 MAY 1994
ATTORNEY/AGENT INFORMATION:
NAME: Wesscott, Warren D.
REGISTRATION NUMBER: 40,440
REFERENCE/DOCKET NUMBER: 150,127081
TELEPHONE/CAT FOR INFORMATION:
TELEPHONE: 612-373-6900
TELEFAX: 612-339-3061
TELEX:

INFORMATION FOR SEQ ID NO: 40:

SEQUENCE CHARACTERISTICS:
LENGTH: 839 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: Genomic DNA
US-08 642-807A-40

Query Match 1.6% Score 36.4; DB 3; Length 839;

Best Local Similarity 53.5% Pred. No. 0.23; Mismatches 6; Indels 6; Gaps 0;

Matches 7% Conservative 0; Mismatches 6; Indels 6; Gaps 0;

QY 349 TGGCTGCGAGATTAATTTCTGAAAGGTTTATTTTAAATGATTAATTTCT 408

DB 380 TCTTATGATGACTATCTTACAAATTTATTTTTCATACATAATGTTTGGCATCT 321

QY 409 TTTAAACAGCTTTAGAAATGTTTCTTTTGGGA GTTGGAAATGGGCGCTGAATATA 458

DB 420 TTTTGAATTAATCAATGCTTTTATCTTACATTTGATGAAATTTGTTAAATTTTGGCTTTA 261

QY 459 ATTGTGAATCAAGCTTT 490

DB 260 CTTCGTACATTTTCACCTT 249

RESULT 12

US-08 602 264A-170

Sequence 1, Application US 602 264A

Patent No. 5847854

GENERAL INFORMATION:

APPLICANT: ARIKLE TAKASHIMA et al.

TITLE OF INVENTION: PREVENTIVE OR THERAPEUTIC AGENTS FOR

TITLE OF INVENTION: APOPTOSIS-INDUCING AGENTS FOR PREVENTING THE ONSET OF ALZHEIMER'S DISEASE

TITLE OF INVENTION: 139 PROTEIN KINASE 1 (K139) HUMAN BEING (AS AMENDED)

NUMBER OF SEQUENCES: 14

CORRESPONDENCE ADDRESS:

ADDRESSEE: WENDERTH, LIND & PUNACK

STREET: 805 Fifteenth Street, N.W., #700

CITY: Washington

COUNTRY: D.C.

ZIP: 20005

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 3.5 inch,

MEDIUM TYPE: 144 mb

COMPUTER: IBM Compatible

OPERATING SYSTEM: MS-DOS

SOFTWARE: Wordperfect 5.1

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US 08/294,491

FILING DATE: February 20, 1996

CLASSIFICATION: 514

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/294,091

FILING DATE: March 2, 1994

ATTORNEY/AGENT INFORMATION:

NAME: Warren M. Check, Jr.

REGISTRATION NUMBER: 33,367

REFERENCE/DOCKET NUMBER:

TELECOMMUNICATION INFORMATION:

TELEPHONE:

TELEFAX:

TELEX:

INFORMATION FOR SEQ ID NO: 1:

SEQUENCE CHARACTERISTICS:

LENGTH: 2088 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: cDNA to adenoviral RNA
ORIGINAL SOURCE: human being
US-08-602-264A-1

Query Match

Best Local Similarity 1.6% Score 46; DB 2; Length 2088;

Matches 12% Conservative 0; Mismatches 145; Indels 1; Gaps 1;

QY 840 AGTCGGTTCGTCGCCCTATATAATAGATGAACAGTAAACGACATATATTTGGCA 899

DB 640 AGTGGTTCGTCGCCCTGACATGATCACTCTCTCTCTCTCTCTCTCTCTCTCTCT 581

QY 900 GGGCTACACCTTTTATATAGCTTCAGCTCCCAAAACATATGCTGCTATCTTGGCA 959

DB 580 GGGGAAATTTTAAATGATGAACAAAAATCTGATGATGATGATGATGATGATGAT 521

QY 950 AGTCAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1019

DB 520 TGTAT 462

QY 1020 AATAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1079

DB 461 ATATGAT 402

QY 1080 GGTCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1103

DB 401 TAT 378

RESULT 14

US-08 461 018A-170

Sequence 1, Application US 08/294,491

Patent No. 6071694

GENERAL INFORMATION:

APPLICANT: ARIKLE TAKASHIMA et al.

TITLE OF INVENTION: SCREENING METHOD FOR THERAPEUTIC AGENTS AGAINST

TITLE OF INVENTION: ALZHEIMER'S DISEASE (AS AMENDED)

NUMBER OF SEQUENCES: 13

CORRESPONDENCE ADDRESS:

ADDRESSEE: WENDERTH, LIND & PUNACK

STREET: 805 Fifteenth Street, N.W., #700

CITY: Washington

COUNTRY: D.C.

ZIP: 20005

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 3.5 inch,

MEDIUM TYPE: 144 mb

COMPUTER: IBM Compatible

OPERATING SYSTEM: MS-DOS

SOFTWARE: Wordperfect 5.1

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US 08/461,018A

FILING DATE: June 5, 1995

CLASSIFICATION: 514

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/204,091

FILING DATE: March 2, 1994

ATTORNEY/AGENT INFORMATION:

NAME: Warren M. Check, Jr.

REGISTRATION NUMBER: 33,367

REFERENCE/DOCKET NUMBER:

TELECOMMUNICATION INFORMATION:

TELEPHONE:

TELEFAX:

TELEX:

INFORMATION FOR SEQ ID NO: 1:

US-09-846-903-79.rni

LENGTH: 2000 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: cDNA to genomic RNA
ORIGINAL SOURCE:
ORGANISM: human being
US-09-216-958-1

Query Match 1.68; Score 40; DB 4; Length 1000;
Best local Similarity 48.59; Pred. N. 0.72;
Matches 128; Conservatize 0; Mismatches 145; Indels 1; Gaps 1;

QY 840 AGTGGTGTGGTCTGCGTAAATAGATGAGTAAAGTAAAGTAAATATATTTTGGTAA 899
DB 640 AGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 691
QY 900 GGTGGTAAATGTTTGTAAATGTTTGTAAATGTTTGTAAATGTTTGTAAATGTTT 959
DB 580 GGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 621
QY 960 AGTCAATGAGTATGTTTGTAAATGTTTGTAAATGTTTGTAAATGTTTGTAAATGTTT 1019
DB 520 TGAT 471
QY 1020 AAT 1079
DB 461 AT 412
QY 1080 GGTGGTAAATGTTTGTAAATGTTTGTAAATGTTTGTAAATGTTTGTAAATGTTT 1139
DB 401 TAT 352

RESULT 15
US-08-975-763 1/1
Sequence 1, Application US/98075763
Patent No. 5874259
GENERAL INFORMATION:
APPLICANT: Syngene, Warsaw
TITLE OF INVENTION: Conditional Amplifiable BAC Vector
NUMBER OF SEQUENCES: 1
CORRESPONDENCE ADDRESS:
ADDRESSEE: Charles & Brady
STREET: 1 South Pinekey Street
CITY: Madison
STATE: WI
COUNTRY: US
ZIP: 53704
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/98/075,764
FILING DATE:
CLASSIFICATION: 44C
ATTORNEY/AGENT INFORMATION:
NAME: Person Request
REGISTRATION NUMBER: 47094
REFERENCE/INVENT NUMBER: 960296
TELECOMMUNICATION INFORMATION:
TELEPHONE: 608-251-5000
TELEFAX: 608-251-5000
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 7967 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: circular
MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc "plac-lacZ1"

US-09-846-903-79.rni

LENGTH: 2000 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: cDNA to genomic RNA
ORIGINAL SOURCE:
ORGANISM: human being
US-09-216-958-1

Query Match 1.68; Score 40; DB 4; Length 1000;
Best local Similarity 48.59; Pred. N. 0.72;
Matches 128; Conservatize 0; Mismatches 145; Indels 1; Gaps 1;

QY 840 AGTGGTGTGGTCTGCGTAAATAGATGAGTAAAGTAAAGTAAATATATTTTGGTAA 899
DB 640 AGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 691
QY 900 GGTGGTAAATGTTTGTAAATGTTTGTAAATGTTTGTAAATGTTTGTAAATGTTT 959
DB 580 GGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 621
QY 960 AGTCAATGAGTATGTTTGTAAATGTTTGTAAATGTTTGTAAATGTTTGTAAATGTTT 1019
DB 520 TGAT 471
QY 1020 AAT 1079
DB 461 AT 412
QY 1080 GGTGGTAAATGTTTGTAAATGTTTGTAAATGTTTGTAAATGTTTGTAAATGTTT 1139
DB 401 TAT 352

RESULT 15
US-08-975-763 1/1
Sequence 1, Application US/98075763
Patent No. 5874259
GENERAL INFORMATION:
APPLICANT: Syngene, Warsaw
TITLE OF INVENTION: Conditional Amplifiable BAC Vector
NUMBER OF SEQUENCES: 1
CORRESPONDENCE ADDRESS:
ADDRESSEE: Charles & Brady
STREET: 1 South Pinekey Street
CITY: Madison
STATE: WI
COUNTRY: US
ZIP: 53704
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/98/075,764
FILING DATE:
CLASSIFICATION: 44C
ATTORNEY/AGENT INFORMATION:
NAME: Person Request
REGISTRATION NUMBER: 47094
REFERENCE/INVENT NUMBER: 960296
TELECOMMUNICATION INFORMATION:
TELEPHONE: 608-251-5000
TELEFAX: 608-251-5000
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 7967 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: circular
MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc "plac-lacZ1"

Figure 1. The effect of the concentration of the *Agrobacterium* suspension on the transformation efficiency of *Agrobacterium* strains. The *Agrobacterium* strains were grown in YEA medium for 24 h at 28°C. The cell concentration of the strains was adjusted to 1.0 × 10⁸ cells/ml. The cell suspension was then diluted to 10⁶, 10⁷, 10⁸, 10⁹, 10¹⁰, 10¹¹, 10¹², 10¹³, 10¹⁴, 10¹⁵, 10¹⁶, 10¹⁷, 10¹⁸, 10¹⁹, 10²⁰, 10²¹, 10²², 10²³, 10²⁴, 10²⁵, 10²⁶, 10²⁷, 10²⁸, 10²⁹, 10³⁰, 10³¹, 10³², 10³³, 10³⁴, 10³⁵, 10³⁶, 10³⁷, 10³⁸, 10³⁹, 10⁴⁰, 10⁴¹, 10⁴², 10⁴³, 10⁴⁴, 10⁴⁵, 10⁴⁶, 10⁴⁷, 10⁴⁸, 10⁴⁹, 10⁵⁰, 10⁵¹, 10⁵², 10⁵³, 10⁵⁴, 10⁵⁵, 10⁵⁶, 10⁵⁷, 10⁵⁸, 10⁵⁹, 10⁶⁰, 10⁶¹, 10⁶², 10⁶³, 10⁶⁴, 10⁶⁵, 10⁶⁶, 10⁶⁷, 10⁶⁸, 10⁶⁹, 10⁷⁰, 10⁷¹, 10⁷², 10⁷³, 10⁷⁴, 10⁷⁵, 10⁷⁶, 10⁷⁷, 10⁷⁸, 10⁷⁹, 10⁸⁰, 10⁸¹, 10⁸², 10⁸³, 10⁸⁴, 10⁸⁵, 10⁸⁶, 10⁸⁷, 10⁸⁸, 10⁸⁹, 10⁹⁰, 10⁹¹, 10⁹², 10⁹³, 10⁹⁴, 10⁹⁵, 10⁹⁶, 10⁹⁷, 10⁹⁸, 10⁹⁹, 10¹⁰⁰, 10¹⁰¹, 10¹⁰², 10¹⁰³, 10¹⁰⁴, 10¹⁰⁵, 10¹⁰⁶, 10¹⁰⁷, 10¹⁰⁸, 10¹⁰⁹, 10¹¹⁰, 10¹¹¹, 10¹¹², 10¹¹³, 10¹¹⁴, 10¹¹⁵, 10¹¹⁶, 10¹¹⁷, 10¹¹⁸, 10¹¹⁹, 10¹²⁰, 10¹²¹, 10¹²², 10¹²³, 10¹²⁴, 10¹²⁵, 10¹²⁶, 10¹²⁷, 10¹²⁸, 10¹²⁹, 10¹³⁰, 10¹³¹, 10¹³², 10¹³³, 10¹³⁴, 10¹³⁵, 10¹³⁶, 10¹³⁷, 10¹³⁸, 10¹³⁹, 10¹⁴⁰, 10¹⁴¹, 10¹⁴², 10¹⁴³, 10¹⁴⁴, 10¹⁴⁵, 10¹⁴⁶, 10¹⁴⁷, 10¹⁴⁸, 10¹⁴⁹, 10¹⁵⁰, 10¹⁵¹, 10¹⁵², 10¹⁵³, 10¹⁵⁴, 10¹⁵⁵, 10¹⁵⁶, 10¹⁵⁷, 10¹⁵⁸, 10¹⁵⁹, 10¹⁶⁰, 10¹⁶¹, 10¹⁶², 10¹⁶³, 10¹⁶⁴, 10¹⁶⁵, 10¹⁶⁶, 10¹⁶⁷, 10¹⁶⁸, 10¹⁶⁹, 10¹⁷⁰, 10¹⁷¹, 10¹⁷², 10¹⁷³, 10¹⁷⁴, 10¹⁷⁵, 10¹⁷⁶, 10¹⁷⁷, 10¹⁷⁸, 10¹⁷⁹, 10¹⁸⁰, 10¹⁸¹, 10¹⁸², 10¹⁸³, 10¹⁸⁴, 10¹⁸⁵, 10¹⁸⁶, 10¹⁸⁷, 10¹⁸⁸, 10¹⁸⁹, 10¹⁹⁰, 10¹⁹¹, 10¹⁹², 10¹⁹³, 10¹⁹⁴, 10¹⁹⁵, 10¹⁹⁶, 10¹⁹⁷, 10¹⁹⁸, 10¹⁹⁹, 10²⁰⁰, 10²⁰¹, 10²⁰², 10²⁰³, 10²⁰⁴, 10²⁰⁵, 10²⁰⁶, 10²⁰⁷, 10²⁰⁸, 10²⁰⁹, 10²¹⁰, 10²¹¹, 10²¹², 10²¹³, 10²¹⁴, 10²¹⁵, 10²¹⁶, 10²¹⁷, 10²¹⁸, 10²¹⁹, 10²²⁰, 10²²¹, 10²²², 10²²³, 10²²⁴, 10²²⁵, 10²²⁶, 10²²⁷, 10²²⁸, 10²²⁹, 10²³⁰, 10²³¹, 10²³², 10²³³, 10²³⁴, 10²³⁵, 10²³⁶, 10²³⁷, 10²³⁸, 10²³⁹, 10²⁴⁰, 10²⁴¹, 10²⁴², 10²⁴³, 10²⁴⁴, 10²⁴⁵, 10²⁴⁶, 10²⁴⁷, 10²⁴⁸, 10²⁴⁹, 10²⁵⁰, 10²⁵¹, 10²⁵², 10²⁵³, 10²⁵⁴, 10²⁵⁵, 10²⁵⁶, 10²⁵⁷, 10²⁵⁸, 10²⁵⁹, 10²⁶⁰, 10²⁶¹, 10²⁶², 10²⁶³, 10²⁶⁴, 10²⁶⁵, 10²⁶⁶, 10²⁶⁷, 10²⁶⁸, 10²⁶⁹, 10²⁷⁰, 10²⁷¹, 10²⁷², 10²⁷³, 10²⁷⁴, 10²⁷⁵, 10²⁷⁶, 10²⁷⁷, 10²⁷⁸, 10²⁷⁹, 10²⁸⁰, 10²⁸¹, 10²⁸², 10²⁸³, 10²⁸⁴, 10²⁸⁵, 10²⁸⁶, 10²⁸⁷, 10²⁸⁸, 10²⁸⁹, 10²⁹⁰, 10²⁹¹, 10²⁹², 10²⁹³, 10²⁹⁴, 10²⁹⁵, 10²⁹⁶, 10²⁹⁷, 10²⁹⁸, 10²⁹⁹, 10³⁰⁰, 10³⁰¹, 10³⁰², 10³⁰³, 10³⁰⁴, 10³⁰⁵, 10³⁰⁶, 10³⁰⁷, 10³⁰⁸, 10³⁰⁹, 10³¹⁰, 10³¹¹, 10³¹², 10³¹³, 10³¹⁴, 10³¹⁵, 10³¹⁶, 10³¹⁷, 10³¹⁸, 10³¹⁹, 10³²⁰, 10³²¹, 10³²², 10³²³, 10³²⁴, 10³²⁵, 10³²⁶, 10³²⁷, 10³²⁸, 10³²⁹, 10³³⁰, 10³³¹, 10³³², 10³³³, 10³³⁴, 10³³⁵, 10³³⁶, 10³³⁷, 10³³⁸, 10³³⁹, 10³⁴⁰, 10³⁴¹, 10³⁴², 10³⁴³, 10³⁴⁴, 10³⁴⁵, 10^{346</}

13.4.4. Minimum cell updates/sec
(40000 cell updates)

[illegible]

10








100

100

• •

100% 100%



100

Figure 1

[illegible][illegible]

100

100

100

7	137.2	7	137.2
8	132.4	8	132.4
9	120.6	9	120.6
10	113.4	10	113.4
11	105.2	11	105.2
12	100	12	100
13	99.2	13	99.2
14	98.8	14	98.8
15	97.2	15	97.2
16	96.6	16	96.6
17	81.4	17	81.4
18	81.2	18	81.2
19	80.2	19	80.2
20	80	20	80
21	78.6	21	78.6
22	77.8	22	77.8
23	77.8	23	77.8
24	77.8	24	77.8
25	77.8	25	77.8
26	77	26	77
27	75.6	27	75.6
28	75.4	28	75.4
29	73	29	73
30	71.8	30	71.8
31	69.8	31	69.8
32	69	32	69
33	65.2	33	65.2
34	60.2	34	60.2
35	58.6	35	58.6
36	58.6	36	58.6
37	57.6	37	57.6
38	57.6	38	57.6
39	57	39	57
40	57	40	57
41	57	41	57
42	57	42	57
43	57	43	57
44	57	44	57
45	54.6	45	54.6

ANNALS

[illegible]

